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Notice of Allowability

Applicant(s)

09/967,144

Examiner

Pedro J. Cuevas

Applicant(s)

LUTTRELL ET AL.

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed on March 1, 2004.
2. ☒ The allowed claim(s) is/are 1-31.
3. ☒ The drawings filed on 28 September 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see page 8, filed March 1, 2004, with respect to claims 1-31 have been fully considered and are persuasive. The rejection of claims 1-31 has been withdrawn.

Auinger clearly teaches the construction of a changeable pole three phase winding stator comprising:

a core having first and second ends and a plurality of radially disposed slots extending between the first and second ends;

a first plurality of concentric coil groups including four coils disposed in the slots to define a first two poles, the first plurality of coil groups each comprising a plurality of coils having leads exiting the stator core at the first end thereof; and

a second plurality of concentric coil groups including four coils disposed in the slots to define a second two poles, the second plurality of coil groups each comprising a plurality of coils having leads exiting the stator core at the second end thereof;

wherein:

the first and second pluralities of coil groups are configured to define four poles for receiving three phase alternating current, and

the stator core includes 72 slots and each coil group includes 4 coils.

Dittman teach the construction of an alternating current generator with direct connected exciter winding having a housing and a rotor disposed for rotation within the housing for the purpose of providing a fully functional and workable generator.

Allowable Subject Matter

2. Claims 1-31 are allowed.
3. The following is an examiner's statement of reasons for allowance.

The prior art of record, taken alone or in combination, fails to teach the construction of a stator for an electric motor and an electric motor as described on:

independent claims 1, 26, and 30, comprising a first and second plurality of concentric coil groups disposed in the slots and having leads exiting the stator core at first and second ends respectively;

independent claims 11 and 29, comprising coil groups disposed in the slots in an order of A1, B4, C2, A3, B1, C4, A2, B3, C1, A4, B2, and C3, configured to define four poles three phase alternating current;

independent claims 19 and 31, comprising a plurality of coils disposed as set forth in Table 2; and

independent claim 20, comprising a plurality of concentric coil groups disposed in the slots, each coil group having leads exiting at an end of the stator core opposite from that of a circumferential successive coil group, the coil groups configured to define four poles for receiving three phase alternating current.

Dependent claims 2-10, 12-18, 21-25, and 27-28 are considered allowable by their respective dependence on allowed independent claims 1, 11, 19-20, 26, and 29-31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

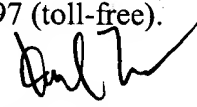
4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pedro J. Cuevas whose telephone number is (571) 272-2021. The examiner can normally be reached on M-F from 8:30 - 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571) 272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Pedro J. Cuevas
May 10, 2004


KARL TAMAI
PRIMARY EXAMINER